

# Recombinant Human CHGA Protein (19-457 aa), His-tagged

**Cat. No.** CHGA-1360H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human CHGA Protein (19-457 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cancer. Protein Description: Full Length of Mature Protein.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>ProteinLength</b>	19-457 aa
<b>Description</b>	Pancreastatin: Strongly inhibits glucose induced insulin release from the pancreas. Catestatin: Inhibits catecholamine release from chromaffin cells and noradrenergic neurons by acting as a non-competitive nicotinic cholinergic antagonist . Displays antibacterial activity against Gram-positive bacteria S.aureus and M.luteus, and Gram-negative bacteria E.coli and P.aeruginosa . Can induce mast cell migration, degranulation and production of cytokines and chokines . Acts as a potent scavenger of free radicals in vitro . May play a role in the regulation of cardiac function and blood pressure.
<b>Form</b>	Tris-based buffer, 50% glycerol
<b>Molecular Mass</b>	50.9 kDa
<b>AA Sequence</b>	LPVNSPMNGDTEVMKCIVEVISDTLSKPSPMPVSEQECFETLRGDERILSILRHQNLKELQDLALQGAKERAHQKKHSGFEDELSEVLENQSSQAELKEAVEEPSSKDVME

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KREDSKEAEKSGEATDGARPQALPEPMQESKAEGNNQAPGEEEEEEEEATNTHPP  
 ASLPSQKYPGPQAEGDSEGLSQGLVDREKGLSAEPGWQAKREEEEEEEEEAEAGE  
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 EHSQQKEEEEEMAVVPQGLFRGGKSGELEQEEERLSKEWEDSKRWSKMDQLAKE  
 LTAEKRLEGQEEEEEDNRDSSMKLSFRARAYGFRGPGPQLRRGW RPSSREDSLEAG  
 LPLQVRGYPEEKKEEEGSANRRPEDQELESLSAIEAELEKVAHQALRRG

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

## GENE INFORMATION

**Gene Name** CHGA chromogranin A (parathyroid secretory protein 1) [ Homo sapiens ]

**Official Symbol** CHGA

**Synonyms** CHGA; pancreastatin; parastatin; vasostatin; SP-I; CGA;

**Gene ID** 1113

**mRNA Refseq** NM\_001275

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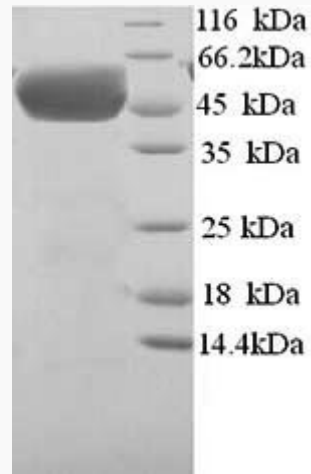
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**Protein Refseq** NP\_001266

**MIM** 118910

**UniProt ID** P10645



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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